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**From:** John Fuss [John.Fuss@tn.gov]  
**Sent:** 4/15/2021 2:44:46 PM  
**To:** Bloeth, Mark [Bloeth.Mark@epa.gov]  
**CC:** Julie Verissimo [Julie.Verissimo@tn.gov]; Justin Dolzen [Justin.Dolzen@tn.gov]  
**Subject:** FW: Pyrolysis and gasification

**Flag:** Follow up

Good morning, Mark, I hope you're well.

FYI...we are looking into some of these facilities reference by Mr. Lipman, perhaps to find any EPA involvement regarding incineration regulations. We focused on the 3 sites where he says the units have been given recent approval. The Glasden AL unit seems to not possess an air permit at all. Anyway, wanted to pass this along to you should you find any of this information useful.

We are currently awaiting written follow up from VES/Covington to their recently revised proposed test plan. They'd still not addressed EPA comments regarding ability to make an applicability determination. Once we receive their follow up, we'll share with you and I think a conference call with EPA may in order to help explain to VES/Covington precisely what parameters and characteristics they need to measure and monitor to enable EPA to render a decision.

Thanks,



**John Fuss** | Environmental Manager 3  
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**From:** Lloyd Lipman <lloyd.lipman@res-ses.com>  
**Sent:** Friday, April 9, 2021 1:53 PM  
**To:** John Fuss <John.Fuss@tn.gov>  
**Cc:** Justin Hanson <jhanson@covingtontn.com>; Michael W Janus <[Ex. 6 Personal Privacy (PP)] Blair Beaty <Blair.Beaty@tn.gov>; Mark Loftin <mloftin@processengr.com>; stephen scott <stephen.scott@res-ses.com>  
**Subject:** [EXTERNAL] Pyrolysis and gasification

Mr. Fuss

I am writing to provide more detailed information on pyrolysis and gasification permits issued for the treatment of medical waste exclusively. Please be advised that neither VES nor our parent company Renaissance Environmental Services has any interest or ownership in these other facilities listed below. Also, none of these plants has installed the downdraft gasifier created

by Mark Loftin and then installed in Covington by PHG Energy (now Aries Energy). I don't have all the names of the companies but do have the locations;

1. Paramount, California	Pyrolysis	Operating for more than 5 years
2. Mambe, New Mexico	Pyrolysis	Operating for more than 2 years
3. Hegins, Pennsylvania	Gasification	Operated for six months but being relocated
4. Anahuac, Texas	Pyrolysis	Operating for more than 6 months—six units on the site
5. Arlington, Oregon	Gasification	Not in full commercial operation yet
6. Pompano Beach, Florida	Pyrolysis	Owner is out of the business. Equipment operated for several months and is being relocated by July 4
7. Ulmer, South Carolina	Pyrolysis	Same as Pompano

The following have been permitted and should be operating by the latter part of this year

1. West Warwick, Rhode Island	Gasification	All state permits issued. Awaiting final local approval
2. Gadsden, Alabama	Pyrolysis	Awaiting installation of equipment
3. Houston, Texas	Pyrolysis	Awaiting installation of equipment

The following locations are in the permitting process with state regulatory agencies for gasification or pyrolysis systems:

1. Suffolk County, New York
2. Clewiston, Florida
3. Yuma County, Arizona
4. Windsor, Colorado
5. Sulphur, Oklahoma
6. Mason County, West Virginia
7. Rochester, New York
8. Hendry County, Florida

Don't hesitate to contact me if you have any questions.

Yours truly;

Lloyd Lipman